

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P271886

Luminaire Tested: **MPB-AF-D-U-SYM-7027-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25988)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MPB-AF-D-U-SYM-7027-800
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3497 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.62')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

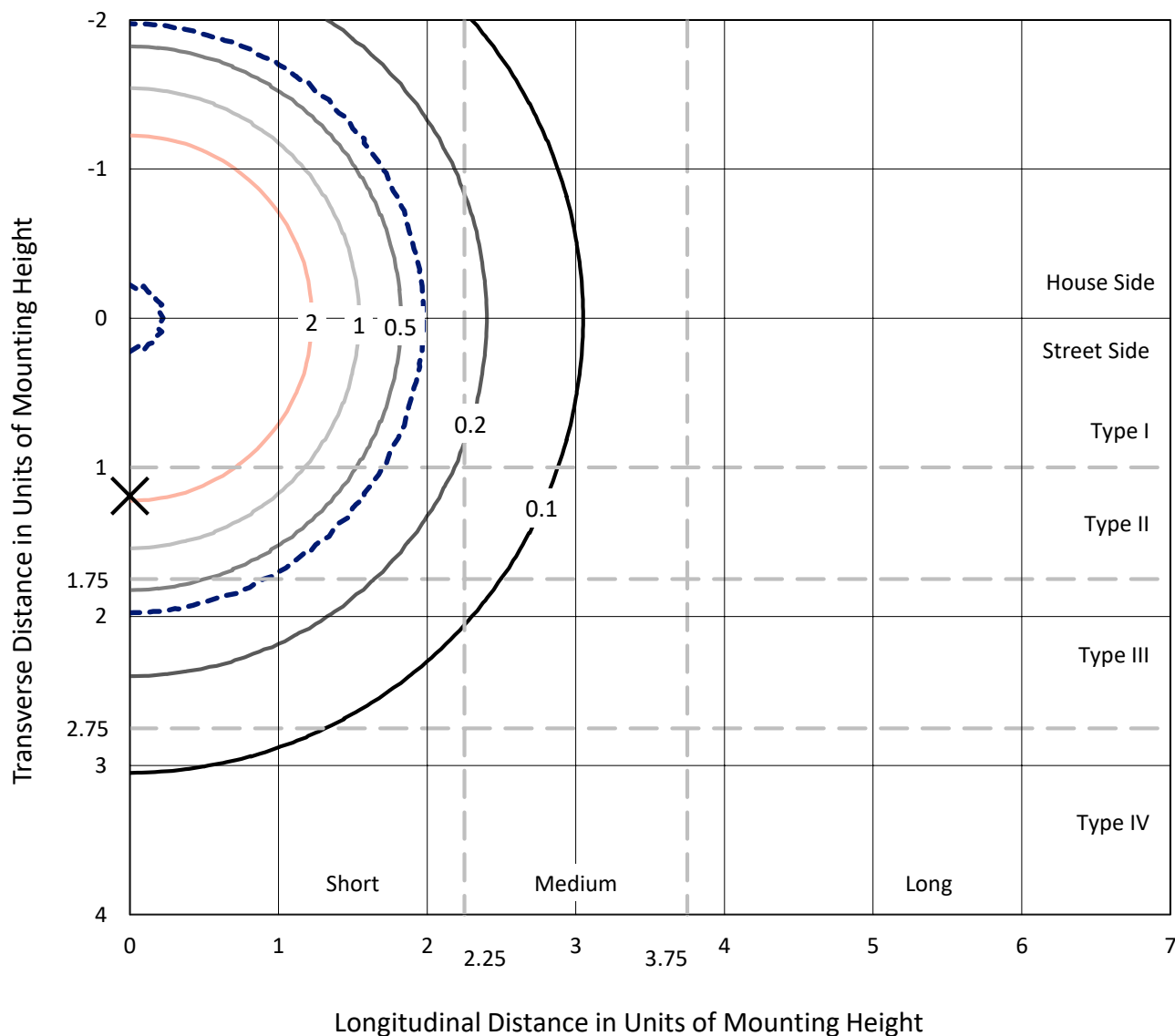


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

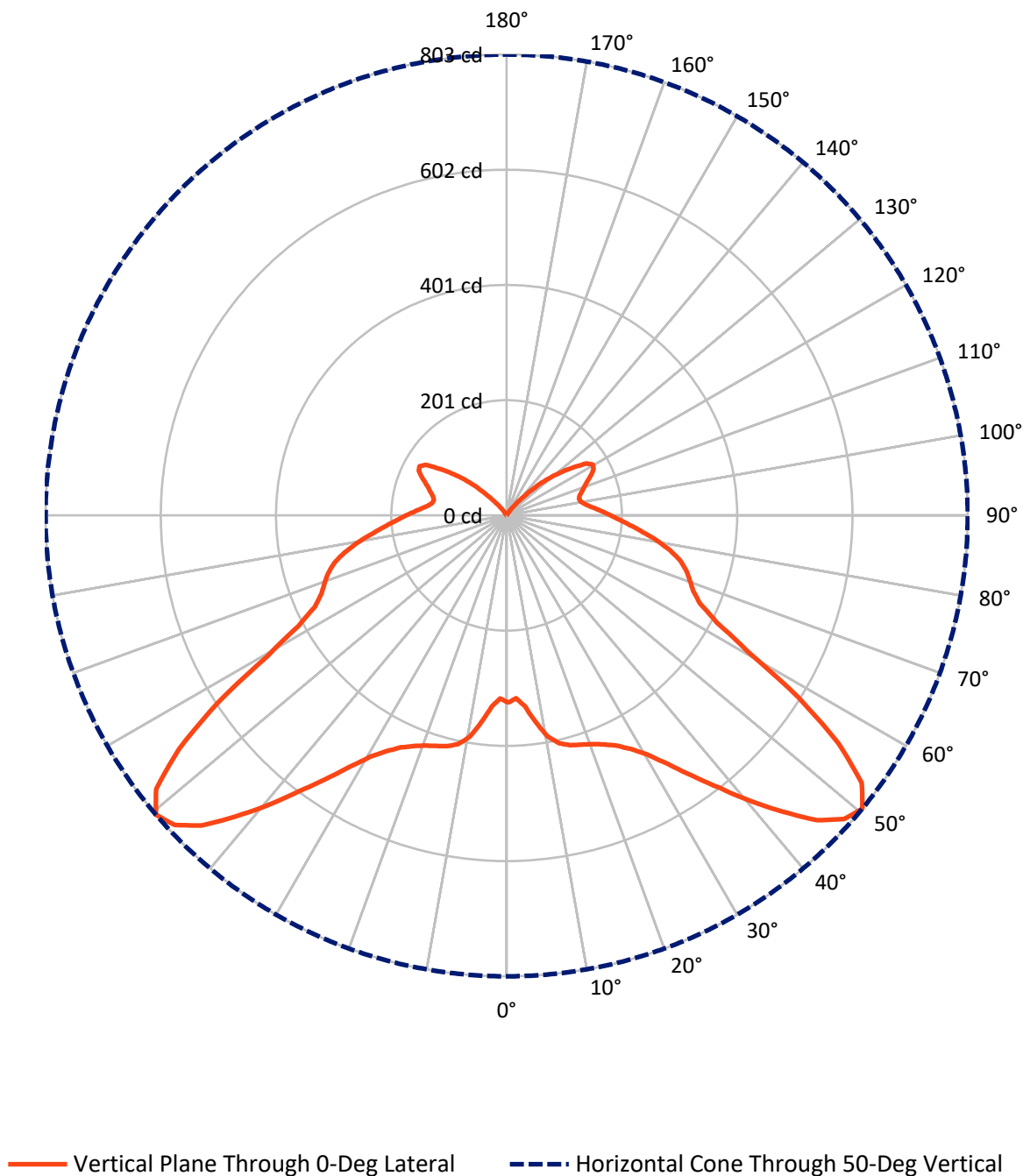


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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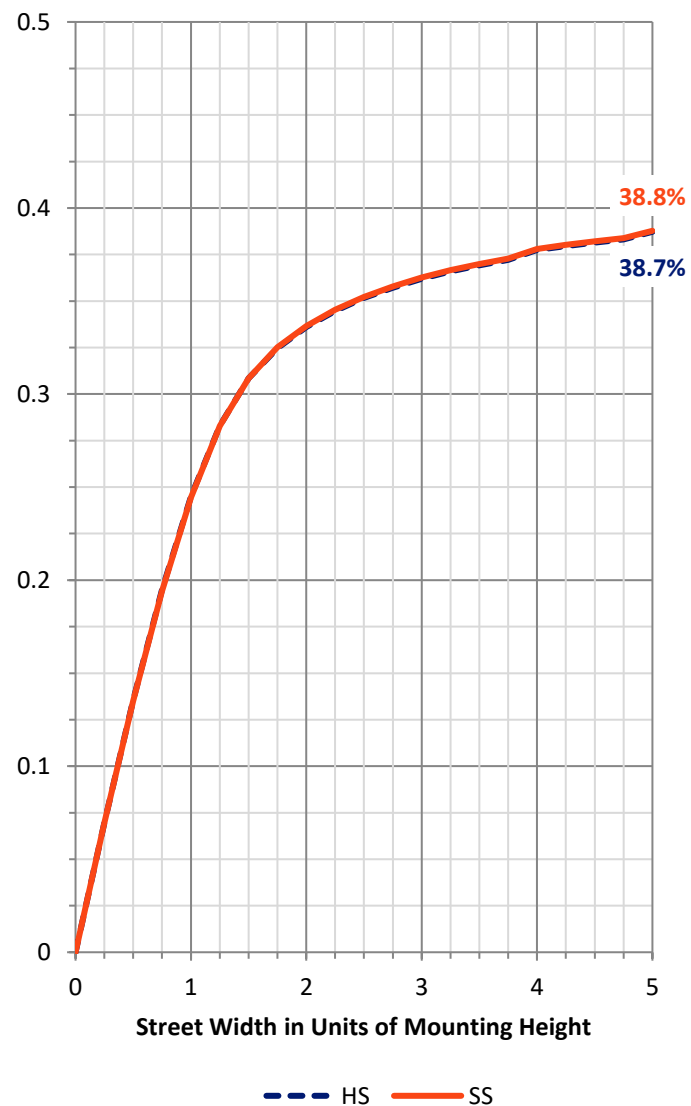
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1421.4	327.1	1748.5
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	1421.4	327.1	1748.5
	% Fixture	40.6	9.4	50.0
Total	Lumens	2842.7	654.2	3497.0
	% Fixture	81.3	18.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	1.0
10°-20°	117.4	3.4
20°-30°	208.1	6.0
30°-40°	354.5	10.1
40°-50°	578.8	16.6
50°-60°	606.5	17.3
60°-70°	381.3	10.9
70°-80°	325.1	9.3
80°-90°	237.1	6.8
90°-100°	164.9	4.7
100°-110°	142.2	4.1
110°-120°	160.1	4.6
120°-130°	129.3	3.7
130°-140°	49.7	1.4
140°-150°	7.7	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2842.7	81.3
0°-180°	3497.0	100.0

Coefficient of Utilization



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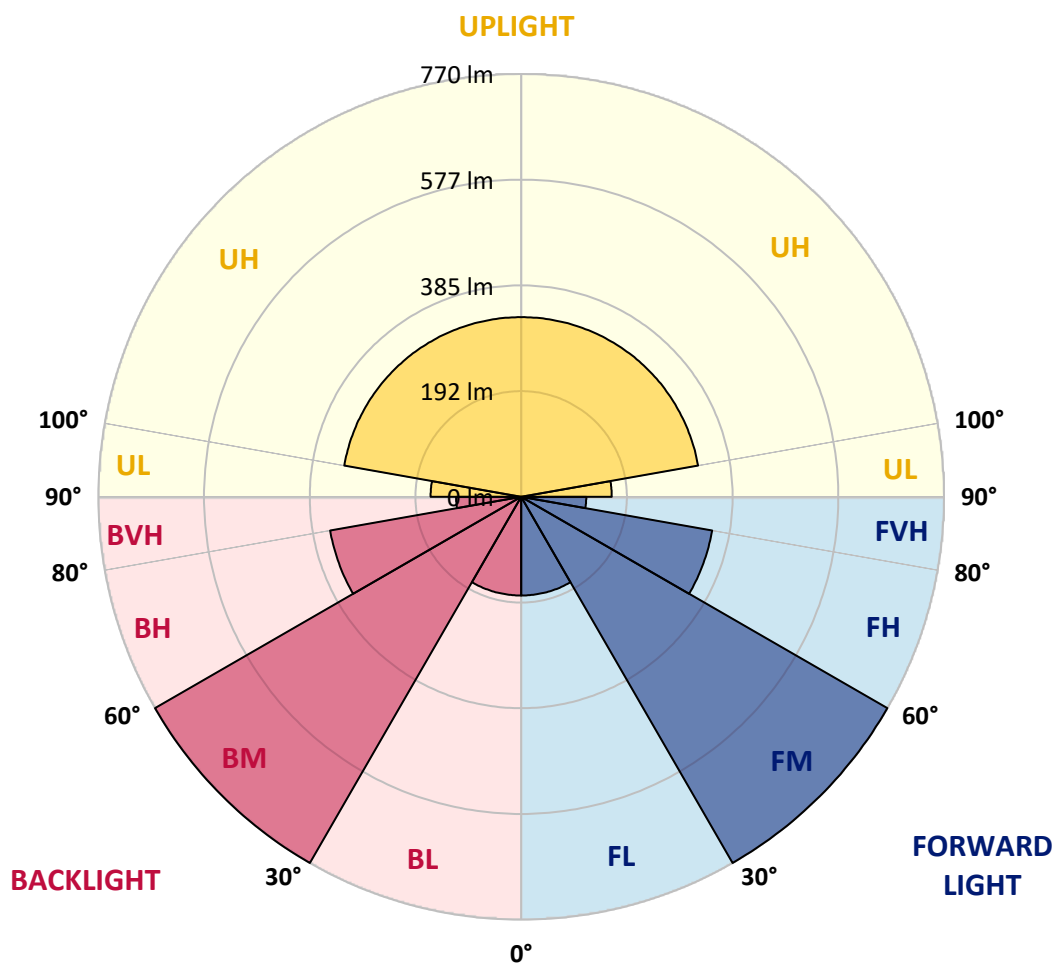
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	179.7	5.1			
FM	(30°-60°)	769.9	22.0			
FH	(60°-80°)	353.2	10.1			G0/660
FVH	(80°-90°)	118.5	3.4			G2/225
BL	(0°-30°)	179.7	5.1	B1/500		
BM	(30°-60°)	769.9	22.0	B1/1000		
BH	(60°-80°)	353.2	10.1	B1/500		G0/660
BVH	(80°-90°)	118.5	3.4			G2/225
UL	(90°-100°)	164.9	4.7		U3/500	
UH	(100°-180°)	327.1	9.4		U3/500	

BUG Rating: B1-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	325.8
2.5°	318.8
5°	333.9
7.5°	363.4
10°	391.0
12.5°	407.1
15°	415.2
17.5°	419.7
20°	425.0
22.5°	433.1
25°	443.8
27.5°	460.7
30°	483.0
32.5°	516.1
35°	557.1
37.5°	601.8
40°	654.4
42.5°	705.3
45°	757.1
47.5°	790.1
50°	802.6
52.5°	774.1
55°	700.9
57.5°	599.1
60°	483.0
62.5°	409.8
65°	369.7
67.5°	350.0
70°	338.4
72.5°	326.7
75°	311.6
77.5°	290.2
80°	265.2
82.5°	238.4
85°	215.1
87.5°	194.7
90°	177.7
92.5°	162.5
95°	149.1
97.5°	138.4
100°	131.2
102.5°	129.4
105°	132.1
107.5°	138.4
110°	144.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	152.7
115°	162.5
117.5°	171.5
120°	174.1
122.5°	166.1
125°	144.6
127.5°	124.1
130°	103.6
132.5°	83.0
135°	61.6
137.5°	42.0
140°	27.7
142.5°	17.0
145°	9.8
147.5°	5.4
150°	2.7
152.5°	0.9
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)